

WHAT IS CLAIMED IS:

1. A reheat stretch blow-molding process,
comprising:

preparing a polypropylene preform; and

5 heating the preform, utilizing a plurality of
infrared energy sources positioned adjacent said
preform at distances inversely proportional to the
wall thickness of said preform directly apposing
said infrared energy sources.

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2. The reheat stretch blow-molding process
according to Claim 1, wherein the polypropylene
comprises polypropylene selected from the group
consisting of high, medium, and low-density
15 polypropylene.

3. The reheat stretch blow-molding process
according to Claim 1, wherein the polypropylene contains
one or more adjuvants selected from the group consisting
20 of clarifiers, fillers, extenders, lubricants, and
infrared energy absorbing agents.

4. The reheat stretch blow-molding process
according to Claim 1, wherein the infrared energy
25 sources are closest to the preform wall apposite a
portion of the preform having the greatest thickness.

5. The reheat stretch blow-molding process according to Claim 1, wherein the infrared energy sources comprise heat lamps.

5 6. A reheat stretch blow-molding process, comprising:

preparing a polypropylene preform, said polypropylene selected from the group consisting of high, medium, and low density polypropylene, said
10 polypropylene containing one or more adjuvants selected from the group consisting of clarifiers, fillers, extenders, lubricants, and infrared energy absorbing agents; and

heating the preform, utilizing a plurality of
15 infrared energy sources positioned adjacent said preform at distances inversely proportional to the wall thickness of said preform directly apposing said infrared energy sources, wherein the infrared energy sources are closest to the preform wall
20 adjacent a portion of the preform having the greatest thickness.

7. The reheat stretch blow-molding process according to Claim 6, wherein the infrared energy
25 sources comprise heat lamps.